



**HARRIS CORPORATION**

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May 7, 2012

*Via Electronic Filing*

Ms. Marlene H. Dortch, Secretary  
Federal Communications Commission  
Office of the Secretary  
445 12th Street, SW  
Washington, D.C. 20554

Re: Ex Parte Notice, Petition For Rulemaking: Preventing Interference in Public Safety Frequencies  
By Requiring H Mask and Mutual Aid for Digital Technologies, WT Docket No. 11-69, ET Docket  
No. 09-234

Dear Ms. Dortch:

Pursuant to 47 C.F.R. § 1.1200, et seq., Harris Corporation (“Harris”) hereby notifies the Federal Communications Commission (“Commission”) of the following ex parte communication in the above-referenced proceedings.

On May 3, 2012, Dr. Dennis Martinez and Patrick Sullivan, on behalf of Harris, met with Charles Mathias, Special Counsel to the Chairman Julius Genachowski, David Furth, Roberto Mussenden, Brian Marengo, and Michael Wilhelm of the Public Safety and Homeland Security Bureau, and Scot Stone, Melissa Tye, and Tim Maguire of the Wireless Telecommunications Bureau. The discussion centered on a Petition for Rulemaking Harris filed on April 30, 2012, seeking that the Commission require that digitally-modulated signals be certified under the H-Mask for use in public safety spectrum and adopt equipment certification technical mandates for operation on the mutual aid channels designated in 47 CFR §90.203(i) and §90.203(j)(1).

Dr. Martinez discussed the fact that significant interference will result if digital technologies not meeting the H-Mask emissions requirements are allowed to operate in public safety frequencies, and that mutual aid functionality is essential for interoperability in public safety frequencies. He explained that manufacturers, until recently, had applied Commission rules to ensure that the H Mask and mutual aid functional requirements were met for digital technologies operating in public safety spectrum. Dr. Martinez made clear that a low pass audio filter has no impact upon TETRA, “low power” TETRA, and P25 digital technologies. He also stated that the B Mask is an acceptable technical requirement for analog transmissions in public safety spectrum, including those from multi-band devices when they are operating in analog mode.

Dr. Martinez also emphasized that Harris strongly supports competition in the public safety market. Moreover, he stated, Harris supports TETRA and operation in business and industrial frequencies, as the risks of interference are less severe and the need for interoperability less acute. Dr. Martinez also described Harris 4 slot TDMA product, which meets the Commission’s H Mask requirements and operates in public safety frequencies.

Respectfully submitted,

\_\_\_\_\_/s/\_\_\_\_\_  
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Patrick Sullivan  
Government Relations  
Harris Corporation

CC:

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David Furth  
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Michael Wilhelm  
Scot Stone  
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Tim Maguire